				ATTORNEY'S DOCKET NUMBER					
(REV. 12-2001) TRANSMITTAL	ISIS0048-101								
DESIGNATE	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)								
CONCERNING	To B1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2								
INTERNATIONAL APPLI	CATION NO.	INTERNATIONAL FIL	ING DATE	PRIORITY DATE CLAIMED					
PCT/US03/12544		21 April 2003 (21.04	4.03)	19 April 2002 (19.04.02)					
TITLE OF INVENTION									
ANTISENSE MODULATION OF HYDROXYSTEROID 11-BETA DEHYDROGENASE 1 EXPRESSION									
APPLICANT(S) FOR DO/	EO/US	<del></del>							
Susan M. Freier									
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:									
1 This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.									
2. This is a SECOND	☐ This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.								
3. A This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.									
4. 🛛 The US has been el	☐ The US has been elected (Article 31).								
5. A copy of the Intern	□ A copy of the International Application as filed (35 U.S.C. 371(c)(2))								
a. 🛭 is attached	l hereto (required	only if not communicated	by the Internati	onal Bureau).					
b. 🔲 has been o	b.  has been communicated by the International Bureau.								
c. 🗌 is not requ	c.    is not required, as the application was filed in the United States Receiving Office (RO/US).								
		he International Application	as filed (35 U.	S.C. 371(c)(2)).					
_ =									
	b. has been previously submitted under 35 U.S.C. 154(d)(4).								
	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))								
	a. are attached hereto (required only if not communicated by the International Bureau).								
	<ul> <li>b.  have been communicated by the International Bureau.</li> <li>c.  have not been made; however, the time limit for making such amendments has NOT expired.</li> </ul>								
	_								
	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).								
3	v The state of the								
Article 36 (35 U.S.C. 371(c)(5)).									
Items 11 to 20 below o	oncern docum	ent(s) or information inc	luded:						
11. An information Dis	An information Disclosure Statement under 37 CFR 1.97 and 1.98.								
12. An assignment doci	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.								
13. 🛛 A FIRST prelimina	A FIRST preliminary amendment.								
14. A SECOND or SUI	A SECOND or SUBSEQUENT preliminary amendment.								
15. A substitute specific	A substitute specification.								
16. A change of power	A change of power of attorney and/or address letter.								
17. A computer-readab	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.								
18. A second copy of the	A second copy of the published international application under 35 U.S.C. 154(d)(4).								
19. A second copy of the	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).								
20. 🛛 Other items or info									
Sent via Express Mail Label No. EL 964553695 US Date of Deposit: October 19, 2004									
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## 10/511832

INTERNATIONAL APPORT/US03/1254	NATIONAL APPLICATION NO. INTERNATIONAL FILING DATE 21 April 2003 (21.04.03)			ATTORNEY'S DOCKET NUMBER ISIS0048-101					
☐ The follow	ing fees are submitte	CALCULATIONS PTO USE ONLY							
BASIC NATION	AL FEE (37 CFR 1.								
nor international se	nal preliminary exam earch fee (37 CFR 1. Search Report not pre								
	minary examination a ational Search Repor								
	minary examination fearch fee (37 CFR 1.								
	minary examination for the satisfy provisions								
International prelin	minary examination								
and all claims satis	sfied provisions of Po								
	APPROPRIAT	\$ 790.00	)						
	<b>0</b> for furnishing the diest claimed priority	\$							
CLAIMS	NUMBER FILE		RATE						
Total claims	19- 20 =	0	x \$18.00	\$ \$0.00					
Independent claims	2 -3 =	0	x \$88.00	\$ \$0.00					
MULTIPLE DEPEN	IDENT CLAIM(S)	(if applicable)	+ \$300.00	\$ \$0.00					
		BOVE CALCULAT		\$ \$790.00					
Applicant claim are reduced by 1/2.	s small entity status.	See 37 CFR 1.27. The fe	es indicated above +	\$					
			TOTAL =	\$ \$790.00					
Processing fee of \$1 months from the ear	30.00 for furnishing liest claimed priority	the English translation late date (37 CFR 1.492(f))	er than 20 30	\$					
	,	\$ \$790.00							
		ot (37 CFR 1.21(h)). The set (37 CFR 3.28, 3.31). \$		\$					
accompanied by an a	appropriate cover she	\$ \$790.00	<del>, </del>						
		Amount to be	\$						
		refunded:	<u> </u>						
				Charged:	\$ 790.00				
	the amount of \$			to cover the above fee					
b. Please charge my Deposit Account No. 50-1275 in the amount of \$ \$790.00 to cover the above fees.									
c. A duplicate copy of this sheet is enclosed.									
d. A The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  overnayment to Deposit Account No. 50-1275  A duplicate copy of this sheet is enclosed.									
c. Greipayment to Deposit recount its.									
f. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038									
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR									
1.137 (a) or (b)) must be filed and granted to restore the application to pending status  SEND ALL CORRESPONDENCE TO:									
Paul K. Legaard,									
Cozen O'Connor,	P.C.								
1900 Market Stre		MINADED							
Philadelphia, PA (215) 665-6914 -		NUMBER							
(213) 003-0314-	. oropholic	BBR 2664							
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